

CLAIMS

1. A medical material comprising an amnion, which is a placental tissue, a polymer film bonded to one surface of the amnion and crosslinked, and cells adhered to the other surface of the amnion.

2. The medical material according to claim 1, wherein the cells described in claim 1 are epithelial cells that are proliferated and differentiated from stem cells on the amnion to be stratified.

3. The medical material according to claim 1 or claim 2, wherein the cells described in claim 1 are corneal epithelial cells, corneal stromal cells, corneal endothelial cells, or conjunctival epithelial cells.

4. The medical material according to any one of claims 1 to 3, wherein the polymer film described in claim 1 is a gel composed of a biopolymer, a synthetic polymer, or a combination of two or more of these polymers.

5. A process for producing the medical material according to claim 1, comprising the steps of preparing an amnion from which the spongy layer is removed, bonding a biocompatible polymer film to one surface of the amnion followed by crosslinking, adhering epithelial stem cells to the other surface of the amnion, and proliferating epithelial cells from the epithelial stem cells on the surface of the amnion.